

10/587512

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Dated: July 26, 2006

Signature:

Mary Jane D. Palma
(Mary Jane D. Palma)

AP20 Rec'd PCT/PTO 26 JUL 2006

Docket No.: JHUC-P01-021

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Hanes et al.

Application No.: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Filed: July 26, 2006

Art Unit: Not Yet Assigned

For: DRUGS AND GENE CARRIER PARTICLES
THAT RAPIDLY MOVE THROUGH
MUCOUS BARRIERS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of non-patent documents in accordance with 37 CFR 1.98(a)(2).

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Application No.: Not Yet Assigned

Docket No.: JHUC-P01-021

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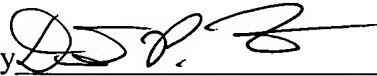
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. JHUC-P01-021.

Dated: July 26, 2006

Respectfully submitted,

By 

David P. Halstead, Ph.D.

Registration No.: 44,735

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Not Yet Assigned
				Filing Date	July 26, 2006
				First Named Inventor	Justin Hanes
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	JHUC-P01-021
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US-6,197,346-B1	03-06-2001	Mathiowitz et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CA	Dawson et al., "Transport of Polymeric Nanoparticle Gene Carriers in Gastric Mucus," Biotechnol. Prog. 20:851-857 (2004)		
	CB	Vila et al., "Transport of PLA-PEG Particles Across the Nasal Mucosa: Effect of Particle Size and PEG Coating Density," Journal of Controlled Release 98:231-244 (2004)		
	CC	Delgado et al., "Radiolabelled Biodegradable Microspheres for Lung Imaging," European Journal of Pharmaceutics and Biopharmaceutics 50:227-236 (2000)		
	CD	De Campos et al., "The Effect of a PEG Versus a Chitosan Coating on the Interaction of Drug Colloidal Carriers with the Ocular Mucosa," European Journal of Pharmaceutical Sciences 20:73-81 (2003)		
	CE	Norris et al., "Effect of Size, Surface Charge, and Hydrophobicity on the Translocation of Polystyrene Microspheres Through Gastrointestinal Mucin," Journal of Applied Polymer Science 63(11):1481-1492 (1997)		
	CF	Denis-Mize et al., "Plasmid DNA Adsorbed onto Cationic Microparticles Mediates Target Gene Expression and Antigen Presentation by Dendritic Cells," Gene Therapy 7:2105-2112 (2000)		
	CG	Norris et al., "The Uptake and Translocation of Microparticles through GI Mucin," Pharmaceutical Research 12(9):S233 (1995)		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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